

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P209509

Luminaire Tested: **LD8A10D010TE ER8A10930D2W 8LM0H**

Test Date: 10/01/16

Test Information

Test Method: LM-79-08
Report Number: P209509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-16-1119-2)
Test Lab: INNOVATION CENTER(G1)
Test Date: 10/01/16
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8A10D010TE ER8A10930D2W 8LM0H
Description: 8 DIM TO WARM 1000Lm WITH MEDIUM DISTRIBUTION HAZE TRIM
Light Source: (1) High Lumen 3000K 90 CRI LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1140.5 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

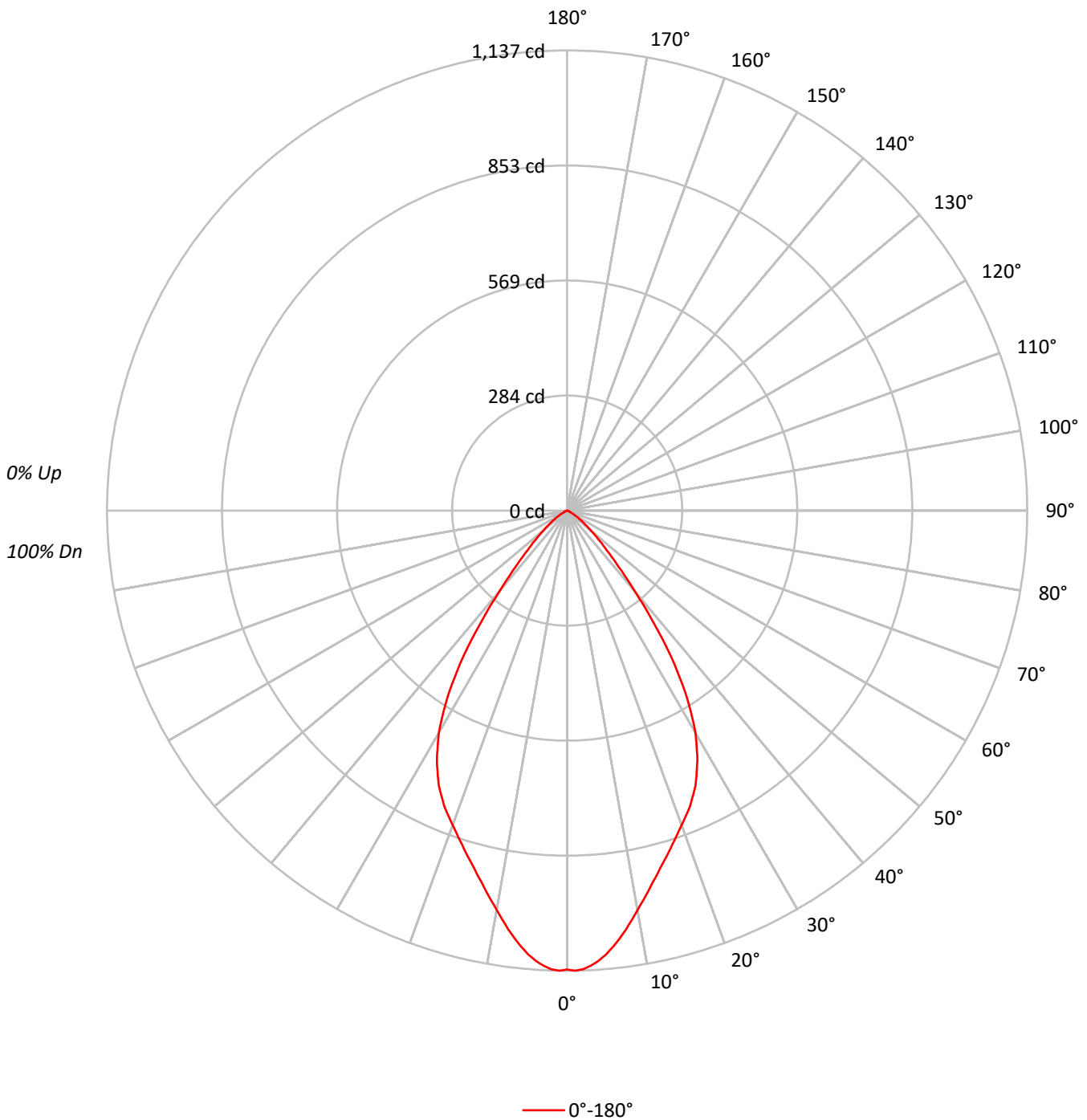
Input Watts (W): 13.6
Input Voltage (V): 120.0
Input Current (Ain): 0.115
Voltage Rise (V): NR
Power Factor: 0.9923
Total Harmonic Distortion (THDi): 13.2%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.4
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82		87	84	81		85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75		82	78	74		80	76	73	72
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	68	64		71	67	63		70	66	63	61
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66	61	58	57
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62	57	54	53
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	50	49
10	68	58	52	48	67	58	52	48	57	51	47		56	51	47		55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34968
5°	34080
10°	31375
15°	28923
20°	27138
25°	25518
30°	22575
35°	17354
40°	10386
45°	6018
50°	3694
55°	2150
60°	1110
65°	584
70°	270
75°	119
80°	178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	8.9
10°-20°	255.2	22.4
20°-30°	341.0	29.9
30°-40°	280.5	24.6
40°-50°	113.6	10.0
50°-60°	38.0	3.3
60°-70°	8.7	0.8
70°-80°	1.6	0.1
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	698.0	61.2
0°-40°	978.5	85.8
0°-60°	1130.1	99.1
0°-90°	1140.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1134	
5°	1101	102
15°	906	255
25°	750	341
35°	461	280
45°	138	114
55°	40	38
65°	8	9
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1134
1°	1137
2°	1134
3°	1126
4°	1115
5°	1101
6°	1084
7°	1065
8°	1045
9°	1023
10°	1002
11°	982
12°	962
13°	942
14°	924
15°	906
17.5°	865
20°	827
22.5°	792
25°	750
27.5°	697
30°	634
32.5°	554
35°	461
37.5°	355
40°	258
42.5°	187
45°	138
47.5°	104
50°	77
52.5°	56
55°	40
57.5°	28
60°	18
62.5°	12
65°	8
67.5°	5
70°	3
72.5°	2
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)